

# ABSTRACT

## [Problem]

To provide an organic EL drive circuit including D/A converter circuits capable of reducing the number of elements, which are proof against relatively high voltage, restricting an increase of circuit size and restricting variation of luminance of a display screen and an organic EL display device using the organic EL drive circuit.

## [Means for Solving the Problem]

An organic EL drive circuit for generating, in response to a predetermined current inputted to an input terminal of a D/A converter circuit constructed with a current mirror circuit, drive currents to be outputted to terminal pins of the organic EL display panel or a current, on which the drive currents are generated, by converting digital display data into analog signal by the D/A converter circuit, comprises a first transistor provided between an input side transistor of the current mirror circuit and the input terminal, a second transistor provided between an output side transistor of the current mirror circuit and an output terminal and a third transistor provided between the output terminal and a power source line, wherein proof voltages of the input side transistor, the output side transistor and the third transistor are lower than proof voltage of the first and second transistors.

[Selected Drawing] Fig. 1